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NiceZyme View of ENZYME: EC 5.4.2.7

Official Name							
Phosphopentomutase.							
Alternative Name(s)							
Deoxyribomutase.							
Deoxyribose phosphomutase.							
Phosphodeoxyribomutase.							
Reaction catalysed							
Alpha-D-ribose 1-phosphate <=> D-ribose 5-phosphate							
Comment(s)							
<ul style="list-style-type: none">Also converts 2-deoxy-alpha-D-ribose 1-phosphate into 2-deoxy-alpha- D-ribose 5-phosphate.Alpha-D-ribose 1,5-bisphosphate, 2-deoxy-alpha-D-ribose 1,5- bisphosphate, or alpha-D-glucose 1,6-bisphosphate can act as cofactor.Formerly EC 2.7.5.6.							
Cross-references							
BRENDA		5.4.2.7					
PUMA2		5.4.2.7					
PRIAM enzyme-specific profiles		5.4.2.7					
Kyoto University LIGAND chemical database		5.4.2.7					
IUBMB Enzyme Nomenclature		5.4.2.7					
IntEnz		5.4.2.7					
MEDLINE		Find literature relating to 5.4.2.7					
MetaCyc		5.4.2.7					
UniProtKB/Swiss-Prot		Q8UJ04,	DEOB_AGRT5;	Q81ME0,	DEOB_BACAN;	Q818Z9,	DEOB_BACCR;
		Q9KCN9,	DEOB_BACHD;	O24821,	DEOB_BACST;	P46353,	DEOB_BACSU;
		P57607,	DEOB_BUCAI;	Q8K936,	DEOB_BUCAP;	Q89A57,	DEOB_BUCBP;
		Q7NRT1,	DEOB_CHRVO;	Q97HE6,	DEOB_CLOAB;	Q8XNE7,	DEOB_CLOPE;
		Q894Z2,	DEOB_CLOTE;	Q9RSI9,	DEOB_DEIRA;	P0A6K8,	DEOB_ECO57;
		P0A6K7,	DEOB_ECOL6;	P0A6K6,	DEOB_ECOLI;	Q839I2,	DEOB_ENTFA;
		Q9ZK37,	DEOB_HELPJ;	P56195,	DEOB_HELPY;	Q9CH12,	DEOB_LACLA;
		O32808,	DEOB_LACLC;	Q92A54,	DEOB_LISIN;	Q71Y60,	DEOB_LISMF;
		Q8Y5V1,	DEOB_LISMO;	Q98QT4,	DEOB_MYCPU;	Q8EQ67,	DEOB_OCEIH;
		Q7N931,	DEOB_PHOLL;	Q98BG5,	DEOB_RHILO;	Q92T47,	DEOB_RHIME;
		P63924,	DEOB_SALTI;	P63923,	DEOB_SALTY;	Q8EHK2,	DEOB_SHEON;
		P0A6K9,	DEOB_SHIFL;	Q5HJM9,	DEOB_STAAC;	P63925,	DEOB_STAAM;
		P99100,	DEOB_STAAN;	Q6GKG6,	DEOB_STAAR;	Q6GCY5,	DEOB_STAAS;
		P63926,	DEOB_STAAW;	Q5HM86,	DEOB_STAEQ;	Q8CNH9,	DEOB_STAES;

Q4L817, DEOB_STAHJ;	Q49Z82, DEOB_STAS1;	Q8CMH7, DEOB_STRA3;
Q8CMH6, DEOB_STRA5;	Q8DTU0, DEOB_STRMU;	P63927, DEOB_STRP1;
P63928, DEOB_STRP3;	Q5XCL5, DEOB_STRP6;	Q8P1C4, DEOB_STRP8;
Q97RI6, DEOB_STRPN;	Q8DQD0, DEOB_STRR6;	Q9EUQ2, DEOB_STRTR;
Q9WY14, DEOB_THEMA;	Q8RCG6, DEOB_THETN;	Q9KPL9, DEOB_VIBCH;
Q87M24, DEOB_VIBPA;	Q8DBT0, DEOB_VIBVU;	Q7MI40, DEOB_VIBVY;
Q8ZIQ3, DEOB_YERPE;		

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NiceZyme View of ENZYME: EC 2.4.2.4

Official Name**Thymidine phosphorylase.****Alternative Name(s)****Pyrimidine phosphorylase.****Reaction catalysed**Thymidine + phosphate \rightleftharpoons thymine + 2-deoxy-alpha-D-ribose 1-phosphate**Comment(s)**

In some tissues also catalyzes deoxyribosyltransferase reactions of the type catalyzed by EC 2.4.2.6.

Human Genetic Disease(s)Mitochondrial
neurogastrointestinal
encephalomyopathy MIM:603041**Cross-references**Biochemical Pathways; map
number(s)

K8

PROSITE

PDOC00557

BRENDA

2.4.2.4

PUMA2

2.4.2.4

PRIAM enzyme-specific profiles

2.4.2.4

Kyoto University LIGAND
chemical database

2.4.2.4

IUBMB Enzyme Nomenclature

2.4.2.4

IntEnz

2.4.2.4

MEDLINE

Find literature relating to 2.4.2.4

MetaCyc

2.4.2.4

UniProtKB/Swiss-Prot

Q28928, TYPH1_ARCFU;	Q28927, TYPH2_ARCFU;	Q8UJ08, TYPH_AGRT5;
Q89QK7, TYPH_BRAJA;	Q62EC5, TYPH_BURMA;	Q63IV6, TYPH_BURPS;
Q7NRT0, TYPH_CHRVO;	Q483R6, TYPH_COLP3;	Q8XB35, TYPH_ECO57;
Q8FA52, TYPH_ECOL6;	P07650, TYPH_ECOLI;	Q6D991, TYPH_ERWCT;
P19971, TYPH_HUMAN;	Q5QXT8, TYPH_IDILO;	P19663, TYPH_LACRH;
Q5X2M8, TYPH_LEGPA;	Q5ZWR3, TYPH_LEGPH;	Q8RNP4, TYPH_LEGPN;
Q8TL01, TYPH_METAC;	Q466X0, TYPH_METBF;	Q58081, TYPH_METJA;
Q8Q0P9, TYPH_METMA;	Q99N42, TYPH_MOUSE;	P47297, TYPH_MYCGE;
P43050, TYPH_MYCHO;	P47717, TYPH_MYCPI;	P75052, TYPH_MYCPN;
O53366, TYPH_MYCTU;	Q6LUH3, TYPH_PHOPR;	Q9V163, TYPH_PYRAB;
Q8U0I2, TYPH_PYRFU;	O59251, TYPH_PYRHO;	Q5JCX3, TYPH_PYRKO;
Q8Y2X7, TYPH_RALSO;	Q98GV5, TYPH_RHILO;	Q92T50, TYPH_RHIME;
Q57G40, TYPH_SALCH;	Q5PK22, TYPH_SALPA;	Q8XF46, TYPH_SALTI;

Q7CP66, TYPH_SALTY;	Q8EHK3, TYPH_SHEON;	Q31SV7, TYPH_SHIBS;
Q327L4, TYPH_SHIDS;	Q83P01, TYPH_SHIFL;	Q3YU11, TYPH_SHISS;
Q9KPL8, TYPH_VIBCH;	Q5E7J6, TYPH_VIBF1;	Q87M23, TYPH_VIBPA;
Q8DBT1, TYPH_VIBVU;	Q7MI39, TYPH_VIBVY;	Q74PY8, TYPH_YERPE;
Q66EV9, TYPH_YERPS;		

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NiceZyme View of ENZYME: EC 2.4.2.6

Official Name	
Nucleoside deoxyribosyltransferase.	
Reaction catalysed	
2-deoxy-D-ribosyl-base(1) + base(2) <=> 2-deoxy-D-ribosyl-base(2) + base(1)	
Comment(s)	
Base(1) and base(2) represent various purines and pyrimidines.	
Cross-references	
BRENDA	2.4.2.6
PUMA2	2.4.2.6
PRIAM enzyme-specific profiles	2.4.2.6
Kyoto University LIGAND chemical database	2.4.2.6
IUBMB Enzyme Nomenclature	2.4.2.6
IntEnz	2.4.2.6
MEDLINE	Find literature relating to 2.4.2.6
MetaCyc	2.4.2.6
UniProtKB/Swiss-Prot	Q6YNI5, NTD_LACFE; Q74LQ9, NTD_LACJO; Q9R5V5, NTD_LACLE

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NiceZyme View of ENZYME: EC 2.4.2.1

Official Name	
Purine-nucleoside phosphorylase.	
Alternative Name(s)	
Inosine phosphorylase.	
PNPase.	
Reaction catalysed	
Purine nucleoside + phosphate <=> purine + alpha-D-ribose 1-phosphate	
Comment(s)	
<ul style="list-style-type: none">Specificity not completely determined.Can also catalyze ribosyltransferase reactions of the type catalyzed by EC 2.4.2.5.	
Human Genetic Disease(s)	
T-cell immunodeficiency with neurologic disorder	MIM:164050
Cross-references	
Biochemical Pathways; map number(s)	G1 ; I1
PROSITE	PDOC00946 ; PDOC00954
BRENDA	2.4.2.1
PUMA2	2.4.2.1
PRIAM enzyme-specific profiles	2.4.2.1
Kyoto University LIGAND chemical database	2.4.2.1
IUBMB Enzyme Nomenclature	2.4.2.1
IntEnz	2.4.2.1
MEDLINE	Find literature relating to 2.4.2.1
MetaCyc	2.4.2.1
<div><div><div>Q6LUH1, DEOD1_PHOPR;</div><div>Q5E7J4, DEOD1_VIBF1;</div><div>Q7MI41, DEOD1_VIBVY;</div><div>Q9KNB2, DEOD2_VIBCH;</div><div>Q8D3Z2, DEOD2_VIBVU;</div><div>Q5DYV8, DEOD3_VIBF1;</div><div>Q73B32, DEOD_BACC1;</div><div>Q63DR9, DEOD_BACCZ;</div><div>P77835, DEOD_BACST;</div><div>Q8K937, DEOD_BUCAP;</div><div>Q894Z3, DEOD_CLOTE;</div></div><div><div>Q8EKK0, DEOD1_SHEON;</div><div>Q87M25, DEOD1_VIBPA;</div><div>Q6LLA7, DEOD2_PHOPR;</div><div>Q5E0H4, DEOD2_VIBF1;</div><div>Q7MFG6, DEOD2_VIBVY;</div><div>P94164, DEOD_ACTPL;</div><div>Q5EEL8, DEOD_BACCE;</div><div>Q6HL92, DEOD_BACHK;</div><div>O34925, DEOD_BACSU;</div><div>Q89A58, DEOD_BUCBP;</div><div>Q483Q8, DEOD_COLP3;</div></div><div><div>Q9KPM0, DEOD1_VIBCH;</div><div>Q8DBS9, DEOD1_VIBVU;</div><div>Q8EHK0, DEOD2_SHEON;</div><div>Q87G42, DEOD2_VIBPA;</div><div>Q8EDM4, DEOD3_SHEON;</div><div>Q81T09, DEOD_BACAN;</div><div>Q81FV5, DEOD_BACCR;</div><div>Q65IB9, DEOD_BACLD;</div><div>P57606, DEOD_BUCAI;</div><div>Q7NRT2, DEOD_CHRVO;</div><div>P0ABP9, DEOD_ECO57;</div></div></div>	

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Q8FA51, DEOD_ECOL6;	P0ABP8, DEOD_ECOLI;	Q6D989, DEOD_ERWCT;
Q5KZM1, DEOD_GEOKA;	Q7VMS8, DEOD_HAEDU;	Q4QN30, DEOD_HAEI8;
P44417, DEOD_HAEIN;	Q9ZK38, DEOD_HELPJ;	P56463, DEOD_HELPY;
Q59482, DEOD_KLEPN;	Q9CH10, DEOD_LACLA;	O32810, DEOD_LACLC;
Q92AF2, DEOD_LISIN;	Q71YG0, DEOD_LISMF;	Q8Y644, DEOD_LISMO;
Q65RA4, DEOD_MANSM;	P47295, DEOD_MYCGE;	P47724, DEOD_MYCPI;
P75053, DEOD_MYCPN;	Q8ENY0, DEOD_OCEIH;	Q9CLE6, DEOD_PASMU;
Q7N930, DEOD_PHOLL;	Q3ICU8, DEOD_PSEHT;	Q57G38, DEOD_SALCH;
Q5PK20, DEOD_SALPA;	Q8Z0U2, DEOD_SALTI;	Q8ZJV7, DEOD_SALTY;
Q31SV5, DEOD_SHIBS;	Q327L2, DEOD_SHIDS;	Q83P00, DEOD_SHIFL;
Q3YU09, DEOD_SHISS;	Q56037, DEOD_STRTR;	Q8R973, DEOD_THETN;
O83716, DEOD_TREPA;	Q8KRT5, DEOD_XENNE;	Q8ZIQ2, DEOD_YERPE;
Q66EV7, DEOD_YERPS;	P55859, PNPB_BOVIN;	P00491, PNPB_HUMAN;
P23492, PNPB_MOUSE;	Q05788, PNPB_YEAST;	P77834, PUNA_BACST;
P46354, PUNA_BACSU;	P81989, PUNA_CELSP;	P0A539, PUNA_MYCBO;
P46862, PUNA_MYCLE;	P0A538, PUNA_MYCTU;	

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NiceZyme View of ENZYME: EC 2.4.2.3

Official Name	
Uridine phosphorylase.	
Alternative Name(s)	
Pyrimidine phosphorylase.	
UPase.	
UrdPase.	
Reaction catalysed	
Uridine + phosphate <=> uracil + alpha-D-ribose 1-phosphate	
Cross-references	
Biochemical Pathways; map number(s)	J8
PROSITE	PDOC00946
BRENDA	2.4.2.3
PUMA2	2.4.2.3
PRIAM enzyme-specific profiles	2.4.2.3
Kyoto University LIGAND chemical database	2.4.2.3
IUBMB Enzyme Nomenclature	2.4.2.3
IntEnz	2.4.2.3
MEDLINE	Find literature relating to 2.4.2.3
MetaCyc	2.4.2.3
UniProtKB/Swiss-Prot	P12758, UDP_ECOLI; P43770, UDP_HAEIN; O08444, UDP_KLEAE; P52671, UDP_KLEPN; P19662, UDP_LACRH; P0A1F7, UDP_SALTI; P0A1F6, UDP_SALTY; O83990, UDP_TREPA; Q16831, UPP1_HUMAN; P52624, UPP1_MOUSE; O95045, UPP2_HUMAN; Q8CGR7, UPP2_MOUSE;

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NiceZyme View of ENZYME: EC 2.7.1.90

Official Name			
Diphosphate--fructose-6-phosphate 1-phosphotransferase.			
Alternative Name(s)			
6-phosphofructokinase (diphosphate).			
6-phosphofructokinase (pyrophosphate).			
Diphosphate-dependent 6-phosphofructose-1-kinase.			
Pyrophosphate--fructose 6-phosphate 1-phosphotransferase.			
Pyrophosphate-dependent 6-phosphofructose-1-kinase.			
Reaction catalysed			
Diphosphate + D-fructose 6-phosphate <=> phosphate + D-fructose 1,6-bisphosphate			
Cross-references			
BRENDA	2.7.1.90		
PUMA2	2.7.1.90		
PRIAM enzyme-specific profiles	2.7.1.90		
Kyoto University LIGAND chemical database	2.7.1.90		
IUBMB Enzyme Nomenclature	2.7.1.90		
IntEnz	2.7.1.90		
MEDLINE	Find literature relating to 2.7.1.90		
MetaCyc	2.7.1.90		
UniProtKB/Swiss-Prot	Q41140, PFPA_RICCO; P21343, PFPB_SOLTU; Q9KH71, PFP_DICTH;	P21342, PFPA_SOLTU; Q9AGC0, PFP_AMYMD; P29495, PFP_PROFR;	Q41141, PFPB_RICCO; Q59126, PFP_AMEYME;

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NiceZyme View of ENZYME: EC 2.4.1.7

Official Name	
Sucrose phosphorylase.	
Alternative Name(s)	
Disaccharide glucosyltransferase.	
Sucrose glucosyltransferase.	
Reaction catalysed	
Sucrose + phosphate <=> D-fructose + alpha-D-glucose 1-phosphate	
Comment(s)	
<ul style="list-style-type: none"> • In the forward reaction, arsenate may replace phosphate. • In the reverse reaction, various ketoses and L-arabinose may replace D-fructose. 	
Cross-references	
Biochemical Pathways; map number(s)	A4
BRENDA	2.4.1.7
PUMA2	2.4.1.7
PRIAM enzyme-specific profiles	2.4.1.7
Kyoto University LIGAND chemical database	2.4.1.7
IUBMB Enzyme Nomenclature	2.4.1.7
IntEnz	2.4.1.7
MEDLINE	Find literature relating to 2.4.1.7
MetaCyc	2.4.1.7
UniProtKB/Swiss-Prot	P33910, SUCP_AGRVI; P76041, SUCP_ECOLI; Q59495, SUCP_LEUME; P10249, SUCP_STRMU;

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NiceZyme View of ENZYME: EC 2.4.1.8

Official Name	
Maltose phosphorylase.	
Reaction catalysed	
Maltose + phosphate <=> D-glucose + beta-D-glucose 1-phosphate	
Cross-references	
Biochemical Pathways; map number(s)	A6
BRENDA	2.4.1.8
PUMA2	2.4.1.8
PRIAM enzyme-specific profiles	2.4.1.8
Kyoto University LIGAND chemical database	2.4.1.8
IUBMB Enzyme Nomenclature	2.4.1.8
IntEnz	2.4.1.8
MEDLINE	Find literature relating to 2.4.1.8
MetaCyc	2.4.1.8

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NiceZyme View of ENZYME: EC 4.1.2.4

Official Name						
Deoxyribose-phosphate aldolase.						
Alternative Name(s)						
Deoxyriboaldolase.						
Phosphodeoxyriboaldolase.						
Reaction catalysed						
2-deoxy-D-ribose 5-phosphate <=> D-glyceraldehyde 3-phosphate + acetaldehyde						
Cross-references						
BRENDA	4.1.2.4					
PUMA2	4.1.2.4					
PRIAM enzyme-specific profiles	4.1.2.4					
Kyoto University LIGAND chemical database	4.1.2.4					
IUBMB Enzyme Nomenclature	4.1.2.4					
IntEnz	4.1.2.4					
MEDLINE	Find literature relating to 4.1.2.4					
MetaCyc	4.1.2.4					
UniProtKB/Swiss-Prot	Q65H59	DEOC1_BACLD;	Q6F1Z6	DEOC1_MESFL;	Q8EPW8	DEOC1_OCEIH;
	Q6A8F1	DEOC1_PROAC;	Q2YUU4	DEOC1_STAAB;	Q5HJN0	DEOC1_STAAC;
	P61108	DEOC1_STAAM;	P99102	DEOC1_STAAN;	Q6GKG7	DEOC1_STAAR;
	Q6GCY6	DEOC1_STAAS;	Q8NYR1	DEOC1_STAAW;	Q7MP37	DEOC1_VIBVY;
	Q8ZGH4	DEOC1_YERPE;	Q66CP8	DEOC1_YERPS;	Q65D22	DEOC2_BACLD;
	Q6F0H8	DEOC2_MESFL;	Q8EMT9	DEOC2_OCEIH;	Q6A655	DEOC2_PROAC;
	Q2YUL6	DEOC2_STAAB;	Q5HE63	DEOC2_STAAC;	P61084	DEOC2_STAAM;
	P99174	DEOC2_STAAN;	Q6GET8	DEOC2_STAAR;	Q6G7H3	DEOC2_STAAS;
	Q8NVF5	DEOC2_STAAW;	Q7MI38	DEOC2_VIBVY;	Q8ZIQ4	DEOC2_YERPE;
	Q66EW0	DEOC2_YERPS;	Q9Y948	DEOC_AERPE;	Q8UJ09	DEOC_AGRT5;
	Q8YPM0	DEOC_ANASP;	Q3MF82	DEOC_ANAVT;	O66540	DEOC_AQUAE;
	Q81RZ3	DEOC_BACAN;	Q73A11	DEOC_BACC1;	Q81EY8	DEOC_BACCR;
	Q63CR9	DEOC_BACCZ;	Q9KD67	DEOC_BACHD;	Q6HK62	DEOC_BACHK;
	Q5WHF4	DEOC_BACSK;	P39121	DEOC_BACSU;	Q89ZF2	DEOC_BACTN;
	Q6MGR8	DEOC_BDEBA;	Q39NL8	DEOC_BURS3;	Q19264	DEOC_CAEEL;
	Q3ABV0	DEOC_CARHZ;	Q7NRS9	DEOC_CHRVO;	Q97IU5	DEOC_CLOAB;
	Q8XIR2	DEOC_CLOPE;	Q892U4	DEOC_CLOTE;	Q6NJX0	DEOC_CORDI;
	Q8FSJ0	DEOC_COREF;	Q8NTC4	DEOC_CORGL;	Q4JSV3	DEOC_CORJK;
	Q9RV25	DEOC_DEIRA;	Q6ALS3	DEOC_DESPS;	Q8XB36	DEOC_ECO57;
	P0A6L1	DEOC_ECOL6;	P0A6L0	DEOC_ECOLI;	Q839J1	DEOC_ENTFA;
	Q6D3R0	DEOC_ERWCT;	Q5KX02	DEOC_GEOKA;	Q7NFI7	DEOC_GLOVI;
	Q7VMS9	DEOC_HAEDU;	Q4QLH8	DEOC_HAEI8;	P44430	DEOC_HAEIN;
	Q5UX95	DEOC_HALMA;	Q9HP08	DEOC_HALSA;	Q9Y315	DEOC_HUMAN;
	Q5FLZ2	DEOC_LACAC;	Q74IA4	DEOC_LACJO;	Q9CFM7	DEOC_LACLA;
	Q88Z64	DEOC_LACPL;	Q38XI2	DEOC_LACSS;	Q92A19	DEOC_LISIN;

Q71Y27, DEOC_LISMF;	Q8Y5R1, DEOC_LISMO;	Q65WA1, DEOC_MANSM;
O26909, DEOC_METTH;	Q91YP3, DEOC_MOUSE;	P63930, DEOC_MYCBO;
Q2SRA7, DEOC_MYCCT;	Q7NAQ0, DEOC_MYCGA;	P47296, DEOC_MYCGE;
Q600B2, DEOC_MYCH2;	Q4A7J6, DEOC_MYCH7;	Q4A9F7, DEOC_MYCHJ;
P43048, DEOC_MYCHO;	Q9CB45, DEOC_MYCLE;	Q6KHA7, DEOC_MYCMO;
Q6MSE7, DEOC_MYCMS;	Q73SV2, DEOC_MYCPA;	Q8EWT4, DEOC_MYCPE;
P47722, DEOC_MYCPI;	P09924, DEOC_MYCPN;	Q98QP7, DEOC_MYCPU;
Q4A5W6, DEOC_MYCS5;	P63929, DEOC_MYCTU;	Q3IQA5, DEOC_NATPD;
Q5YP36, DEOC_NOCFA;	P57937, DEOC_PASMU;	Q3A247, DEOC_PELCD;
Q7N932, DEOC_PHOLL;	Q4ZMV1, DEOC_PSEU2;	Q8ZXK7, DEOC_PYRAE;
Q877I0, DEOC_PYRKO;	Q92MQ3, DEOC_RHIME;	Q7UPT7, DEOC_RHOBA;
Q2RRZ2, DEOC_RHORT;	Q8Z0U3, DEOC_SALTI;	Q8ZJV8, DEOC_SALTY;
Q8EHK4, DEOC_SHEON;	Q83P02, DEOC_SHIFL;	Q5HM84, DEOC_STAEQ;
Q8CNH7, DEOC_STAES;	Q4L819, DEOC_STAHJ;	Q49Z84, DEOC_STAS1;
Q3JYQ4, DEOC_STRA1;	Q8E2U1, DEOC_STRA3;	Q8DWZ0, DEOC_STRA5;
Q8DU34, DEOC_STRMU;	Q99Y51, DEOC_STRP1;	P63931, DEOC_STRP3;
Q5XA31, DEOC_STRP6;	P63932, DEOC_STRP8;	Q48RH2, DEOC_STRPM;
Q97RH2, DEOC_STRPN;	Q8DQC4, DEOC_STRR6;	Q67RZ3, DEOC_SYMTH;
Q8DJZ1, DEOC_SYNEL;	Q5N4L8, DEOC_SYNP6;	P73618, DEOC_SYNY3;
Q9HKB7, DEOC_THEAC;	Q9X1P5, DEOC_THEMA;	Q72JE9, DEOC_THET2;
Q5SJ28, DEOC_THET8;	Q8RB49, DEOC_THETN;	Q97CC6, DEOC_THEVO;
Q73QJ5, DEOC_TREDE;	O83288, DEOC_TREPA;	Q9PPQ4, DEOC_UREPA;
Q9KPL7, DEOC_VIBCH;	Q87M22, DEOC_VIBPA;	Q8DBT2, DEOC_VIBVU;

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NiceZyme View of ENZYME: EC 2.4.2.2

Official Name		
Pyrimidine-nucleoside phosphorylase.		
Reaction catalysed		
Pyrimidine nucleoside + phosphate \rightleftharpoons pyrimidine + alpha-D-ribose 1-phosphate		
Cross-references		
Biochemical Pathways; map number(s)	J7	
PROSITE	PDOC00557	
BRENDA	2.4.2.2	
PUMA2	2.4.2.2	
PRIAM enzyme-specific profiles	2.4.2.2	
Kyoto University LIGAND chemical database	2.4.2.2	
IUBMB Enzyme Nomenclature	2.4.2.2	
IntEnz	2.4.2.2	
MEDLINE	Find literature relating to 2.4.2.2	
MetaCyc	2.4.2.2	
UniProtKB/Swiss-Prot	P77836, PDP_BACST;	P39142, PDP_BACSU;

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NiceZyme View of ENZYME: EC 2.4.2.5

Official Name	
Nucleoside ribosyltransferase.	
Reaction catalysed	
D-ribosyl-base(1) + base(2) <=> D-ribosyl-base(2) + base(1)	
Comment(s)	
Base(1) and base(2) represent various purines and pyrimidines.	
Cross-references	
BRENDA	2.4.2.5
PUMA2	2.4.2.5
PRIAM enzyme-specific profiles	2.4.2.5
Kyoto University LIGAND chemical database	2.4.2.5
IUBMB Enzyme Nomenclature	2.4.2.5
IntEnz	2.4.2.5
MEDLINE	Find literature relating to 2.4.2.5
MetaCyc	2.4.2.5

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